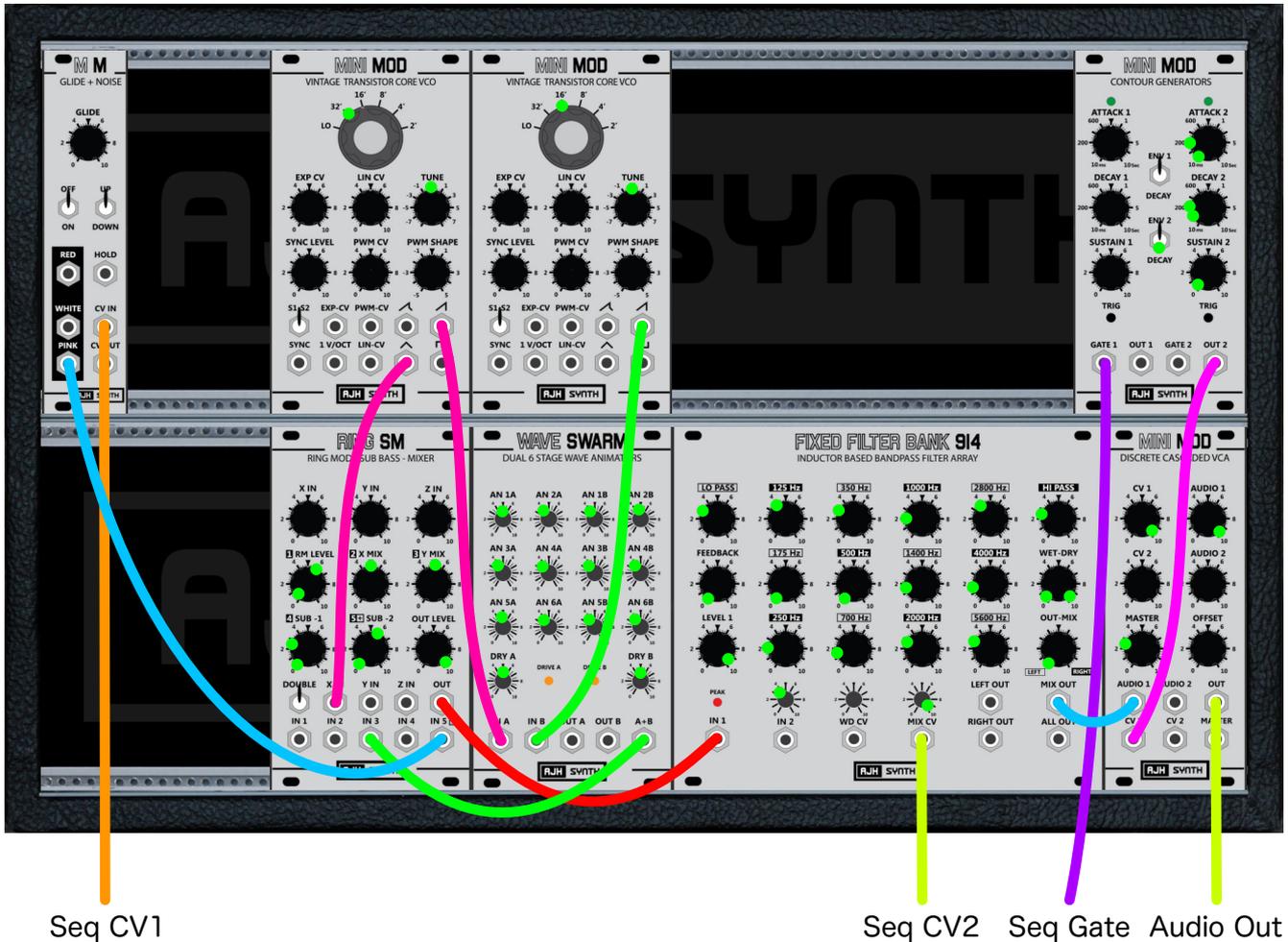


Step Sequences & Fixed Filter Bank 914



Green dots show approximate pot and switch positions. Where there are two dots on a pot this shows the range I adjust them during the video. Pots and switches that do not have green dots are not used in this patch, and should be left at their zero or off positions.

In the video I'm using the Glide + Noise MkII module to access the CV Bus, allowing me to control all VCOs from one input/cable. If you are not able to use the CV Bus you will need to use a multiple or stacking cables to connect the keyboard to each VCO's 1V/Oct input, as is usual with a fully modular synth.

SEQUENCER: Here I use it as 2 separate 8-step sequencers bound to the same clock, so only 1 gate output is needed, then whilst the top channel's CV output controls the pitch of the VCO's, the bottom row's CV output is connected to Mix CV input on the FFB, in order to adjust the mix/balance between both the black and white bands of frequencies/filters. The top row is running in 'Random' mode.

VCO: In the video I used 3 VCO's simply because that's how I arrived at the patch, but the same result can be achieved with just 2, by using the first VCO to provide both the triangle for the Ring SM and the first sawtooth for the Wave Swarm.

RING SM: This is used as a mixer before the FFB, but also to generate +1 and -1 octaves from the triangle wave of the first VCO.

WAVE SWARM: This takes the 2 sawtooths an octave apart and creates an effect similar to many VCO's stacked on top of each other.

FIXED FILTER BANK 914: Bear in mind that very fine adjustments can make a significant difference to the tone of the sound.

Modules used from top-left to bottom-right: Glide + Noise MkII, Vintage Transistor Core VCO x2, Contour Generators, Ring SM, Wave Swarm, Fixed Filter Bank 914, Discrete Cascaded VCA.

For more information on modules and user manuals visit <https://AJHSynth.com>

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